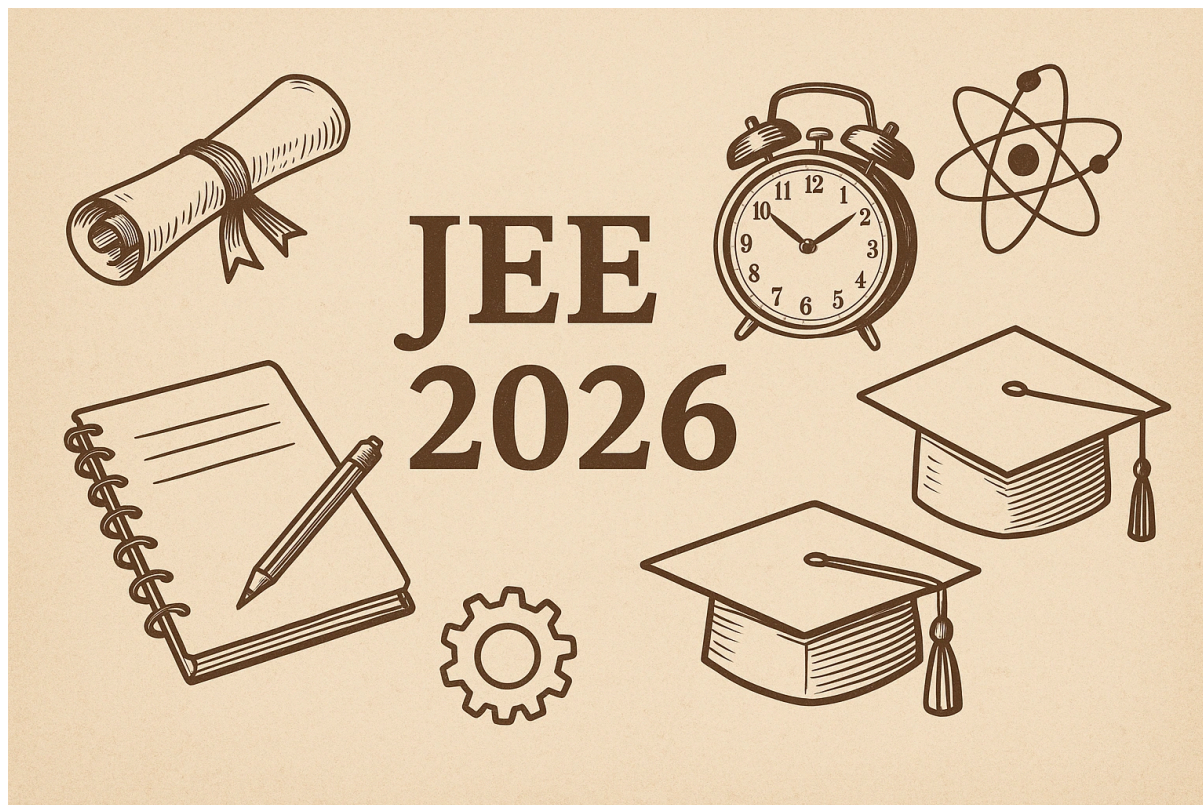


# JEE 2026 : Guide to Exam, JEE Advanced Result, Topper list



JEE 2026 : Joint Entrance Examination is India's premier engineering entrance exam for admission into top institutes like IITs, NITs, IIITs, and GFTIs. It comprises two stages — JEE Main and JEE Advanced — testing students' knowledge of Physics, Chemistry, and Mathematics. Whether you're targeting NITs through JEE Main or aspiring for the IITs via JEE Advanced, this comprehensive guide covers everything from syllabus and exam patterns to eligibility, key dates, and preparation strategies.

## JEE Main and Advanced 2026

The JEE examination is split into two major phases: JEE Main and JEE Advanced. JEE Main serves as the qualifying test for NITs, IIITs, and eligibility for JEE Advanced. JEE Advanced is the final step toward securing a seat in India's IITs.

Exam Stage	Description
JEE Main	For admission to NITs, IIITs, and CFTIs. Conducted by NTA.
JEE Advanced	For admission to IITs. Only top JEE Main qualifiers can appear.

## JEE Main Overview

JEE Main is conducted by NTA and is the gateway to various centrally funded institutions. It is held twice a year and tests your grasp over Physics, Chemistry, and Mathematics. Appearing students must be either in 12th standard or have already qualified.

Feature	Details
Conducting Body	National Testing Agency (NTA)
Mode	Computer-Based Test (CBT)
Attempts	Two sessions: January & April 2026
Subjects	Physics, Chemistry, Mathematics
Eligibility	Passed 10+2 or appearing in 2026

# JEE Advanced Overview

JEE Advanced is conducted by one of the IITs and is only open to top JEE Main performers. The exam is more concept-intensive and evaluates in-depth understanding of core subjects. It is essential for securing a seat in the IITs.

Feature	Details
Conducting Body	One of the IITs (TBD for 2026)
Mode	Computer-Based Test (CBT)
Subjects	Physics, Chemistry, Mathematics
Eligibility	Top 2.5 lakh JEE Main qualifiers

## JEE Main Exam Dates 2026 (Tentative)

The exam is held in two sessions to offer flexibility and multiple chances. Students can opt to appear in one or both sessions as per their preference. The best score among the two is considered for the final rank list.

Session	Application Period	Exam Dates
January Session	Nov–Dec 2025	2nd–3rd week of Jan 2026
April Session	Feb–Mar 2026	2nd–3rd week of April 2026

## JEE Advanced Exam Date 2026 (Tentative)

JEE Advanced is usually conducted in June following JEE Main April session. The registration typically opens in April or May. It is advised to keep documents and eligibility proofs ready beforehand.

Activity	Tentative Timeline
Application	April–May 2026
Exam Date	First week of June 2026

## JEE Main Eligibility Criteria 2026

Eligibility ensures candidates are academically qualified and subject-ready. The criteria are liberal, making it accessible to a broad range of students. Ensure subject requirements are met before applying.

Criteria	Description
Qualification	Passed Class 12 in 2024, 2025 or appearing in 2026
Subjects Required	Physics and Mathematics mandatory
Age Limit	No age limit

## JEE Advanced Eligibility Criteria

JEE Advanced has more stringent eligibility rules than JEE Main. Only top-ranking candidates from JEE Main are allowed to sit for it. Eligibility also includes age and number of attempts.

Criteria	Description
JEE Main Rank	Top 2.5 lakh candidates
Age	Born on or after Oct 1, 2000 (relaxation for reserved categories)
Attempts	Maximum two attempts in consecutive years
Qualification	Appeared in Class 12 in 2025 or 2026

## JEE Main Syllabus 2026

JEE Main 2026 syllabus is based on the NCERT curriculum for Classes 11 and 12, covering core subjects like Physics, Chemistry, and Mathematics. Topics include mechanics, thermodynamics, organic and inorganic chemistry, algebra, calculus, and geometry. The exam tests conceptual understanding, problem-solving, and analytical skills to prepare students for engineering college admissions.

### JEE Main Syllabus 2026 – Subject-wise Breakdown

#### Physics

JEE Main 2026 Physics syllabus covers key topics from Classes 11 and 12, focusing on mechanics, thermodynamics, electricity, magnetism, optics, and modern physics based on NCERT curriculum.

Class	Topics
Class 11	Units & Measurements, Kinematics, Laws of Motion, Work, Energy & Power, Gravitation, Thermodynamics, Oscillations, Waves, Properties of Solids & Liquids, Kinetic Theory
Class 12	Electrostatics, Current Electricity, Magnetism, Electromagnetic Induction, AC, EM Waves, Ray & Wave Optics, Dual Nature, Atoms & Nuclei, Semiconductors, Communication

## JEE Main Syllabus 2026 – Subject-wise Breakdown Chemistry

JEE Main 2026 Chemistry syllabus includes topics from both organic and inorganic chemistry, covering atomic structure, chemical bonding, thermodynamics, solutions, electrochemistry, biomolecules, and environmental chemistry from the NCERT curriculum.

Class	Topics
Class 11	Basic Concepts, Structure of Atom, Periodic Table, Chemical Bonding, Thermodynamics, States of Matter, Redox Reactions, Hydrogen, s- & p-Block Elements, Hydrocarbons, Organic Chemistry Basics
Class 12	Solid State, Solutions, Electrochemistry, Kinetics, Surface Chemistry, p-, d-, f-Block, Coordination Compounds, Haloalkanes, Alcohols, Aldehydes, Nitrogen Compounds, Polymers, Biomolecules, Everyday Chemistry

## **JEE Main Syllabus 2026 – Subject-wise Breakdown Mathematics**

Class	Topics
Class 11	Sets & Relations, Complex Numbers, Quadratic Equations, Trigonometry, Sequences & Series, Binomial Theorem, Straight Lines, Limits & Derivatives, Statistics, Probability
Class 12	Matrices & Determinants, Continuity & Differentiability, Integration, Applications of Derivatives, Differential Equations, Vectors & 3D Geometry, Linear Programming, Advanced Probability

## **JEE Advanced 2026 Syllabus**

JEE Advanced 2026 syllabus is designed to test candidates' deep understanding and application of concepts in Physics, Chemistry, and Mathematics. It covers advanced topics such as mechanics, electromagnetism, organic and inorganic chemistry, calculus, and 3D geometry. The exam emphasizes critical thinking, problem-solving, and conceptual clarity, going beyond JEE Main.

## **JEE Advanced 2026 Syllabus – Subject-wise Breakdown Physics**

JEE Advanced 2026 Physics syllabus includes advanced topics like mechanics, thermodynamics, electromagnetism, optics, modern physics, and wave phenomena, focusing on in-depth problem-solving and conceptual understanding beyond JEE Main

Section	Topics
General & Mechanics	Units, Dimensions, Vectors, Newton's Laws, Friction, Circular Motion, Work, Energy, Power, Rigid Body, Gravitation
Thermal Physics	Thermal Expansion, Calorimetry, Heat Transfer, Gas Laws, Thermodynamics
Electricity & Magnetism	Coulomb's Law, Electric Fields, Capacitance, Ohm's Law, Kirchhoff's Laws, Magnetic Effects, EM Induction
Optics	Ray Optics, Reflection, Refraction, Interference, Diffraction, Polarization
Modern Physics	Atomic Models, Photoelectric Effect, Nuclear Physics, X-Rays, Semiconductors

## JEE Advanced 2026 Syllabus – Subject-wise Breakdown Chemistry

JEE Advanced 2026 Chemistry syllabus dives deeper into physical, inorganic, and organic chemistry, covering complex topics like chemical bonding, coordination compounds, reaction mechanisms, and advanced thermodynamics for higher-level problem-solving.

Branch	Topics
Physical Chemistry	Mole Concept, Thermodynamics, Chemical & Ionic Equilibrium, Electrochemistry, Kinetics, Surface Chemistry, Solid State
Inorganic Chemistry	Periodicity, Chemical Bonding, Coordination Chemistry, Metallurgy, p-, d-, f-Block Elements, Qualitative Analysis
Organic Chemistry	Nomenclature, Isomerism, Reaction Mechanisms (SN1, SN2, E1, E2), Aromatic Compounds, Alcohols, Aldehydes, Carboxylic Acids, Polymers, Biomolecules, Named Reactions (Aldol, Cannizzaro etc.)

## JEE Advanced 2026 Syllabus – Subject-wise Breakdown Mathematics

JEE Advanced 2026 Mathematics syllabus emphasizes advanced topics like complex numbers, calculus, 3D geometry, differential equations, vectors, and algebra, requiring strong problem-solving skills and a deep understanding of concepts.

Branch	Topics
Algebra	Complex Numbers, Quadratic Equations, Sequences & Series, Logarithms, Permutations, Determinants
Calculus	Limits, Continuity, Differentiability, Maxima-Minima, Integration, Differential Equations
Geometry	Conic Sections, Circles, Parabola, Ellipse, Hyperbola, Coordinate Geometry
Trigonometry	Identities, Equations, Inverse Trigonometric Functions
Vectors & 3D	Scalar & Vector Product, Lines, Planes, Angle between Lines

Probability	Conditional Probability, Bayes' Theorem, Mean & Standard Deviation
-------------	--

## JEE Main Exam Pattern 2026

Understanding the exam pattern is vital for effective preparation. The paper consists of a mix of MCQs and numerical-type questions. Speed and accuracy are key due to time limitations.

Feature	Description
Mode	Online Computer-Based Test
Question Type	MCQs + Numerical Value Questions
Total Marks	300 (100 per subject)
Duration	3 hours

## JEE Advanced Exam Pattern 2026

The paper pattern of JEE Advanced is highly unpredictable and challenging. It consists of two papers each designed to test conceptual clarity and speed. Marking schemes vary each year, adding to the complexity.

Feature	Description
Mode	Online Computer-Based Test
Number of Papers	Two papers, 3 hours each
Question Types	Multiple correct, integer type, matching type
Marking Scheme	Variable and changes each year

## JEE Advanced 2025 Exam Analysis & Question Paper

JEE Advanced 2025 exam, conducted on 18 May 2025 , marks another milestone for engineering aspirants aiming for prestigious IITs. With two papers—Paper 1 and Paper 2—administered in computer-based format, the exam tested candidates' conceptual clarity, time management, and problem-solving under pressure.

## Exam Structure Overview

Each paper was 3 hours long and included questions from Physics, Chemistry, and Mathematics. The types of questions included:




- Multiple Choice Questions (MCQs) with single or multiple correct options
- Numerical value-based questions
- Matrix match or paragraph-type questions

Both Paper 1 and 2 followed a variable marking scheme, keeping the unpredictability factor high

## Overall Difficulty Level – JEE Advanced 2025

Section	Paper 1	Paper 2	Overall
Physics	Moderate	Difficult	Moderate-High
Chemistry	Easy	Moderate	Easy-Moderate
Mathematics	Difficult	Very Difficult	High
Overall	Moderate-High	High	Challenging

# Subject-Wise Paper Analysis – JEE Advanced 2025

Subject	Paper 1 Highlights	Paper 2 Highlights
 Physics	– Balanced and conceptual – Mix of mechanics and modern physics – Numerical-based questions	– More conceptual in nature – Focus on electromagnetism and optics – Calculation-heavy
 Chemistry	– Straightforward questions – Mostly from NCERT – Organic chemistry was dominant	– Inorganic section had assertion-reason type questions – Physical Chemistry featured conceptual numericals
 Mathematics	– Time-consuming problems – Topics: Coordinate Geometry, Calculus, Algebra	– Tricky and lengthy – Heavy on complex integration and vector 3D geometry

## Expected Cutoff for JEE Advanced 2025

While official cutoffs will be released by IIT Kanpur, here's an early prediction based on student feedback and difficulty:

Category	Expected Cutoff (Marks)
General (CRL)	85 – 95
OBC-NCL	75 – 85
SC	50 – 60
ST	45 – 55

## JEE 2026 Preparation Tips

Preparation should begin early and follow a strategic study plan. Focus on understanding concepts rather than rote memorization. Regular testing, revision, and mock exams are crucial.

Tip	Description
Start Early	Begin prep 1.5–2 years in advance for better understanding
Conceptual Clarity	Focus on building strong fundamentals

Mock Tests	Take frequent tests to identify weak areas
Balance School & JEE	Effective time management is key
NCERT First	Especially helpful for Chemistry basics
Regular Revision	Revisit difficult topics and key formulas regularly

## Expected Cutoff for JEE Advanced 2025

While official cutoffs will be released by IIT Kanpur, here's an early prediction based on student feedback and difficulty:

Category	Expected Cutoff (Marks)
General (CRL)	85 – 95
OBC-NCL	75 – 85
SC	50 – 60

ST	45 – 55
----	---------